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L1 5 (IONTOPHORE OR ELECTROPHORE OR PHONOPHORE) AND ((CENTRAL NERVOUS
) OR CNS)

=> sl 1 and ((permeation enhancer) or percutaneous or transdermal?) SL IS NOT A RECOGNIZED COMMAND
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=> s l1 and ((permeation enhancer) or percutaneous or transdermal?) 2 L1 AND ((PERMEATION ENHANCER) OR PERCUTANEOUS OR TRANSDERMAL?) L2

=> d 12 1-2 ibib abs

ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER:

2003:220232 USPATFULL

TITLE:

Methods for identifying RNA binding compounds

INVENTOR(S): PATENT ASSIGNEE(S):

Rana, Tariq M., Piscataway, NJ, UNITED STATES University of Medicine and Dentistry of New Jersey, New

Brunswick, NJ (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION:

-----US 2003153523 20030814

APPLICATION INFO.: RELATED APPLN. INFO.: US 2003153523 A1 US 2002-295761 A1 20021115 (10)

Continuation of Ser. No. US 2000-679451, filed on 4 Oct

2000, GRANTED, Pat. No. US 6503713

NUMBER DATE -----

PRIORITY INFORMATION:

US 1999-157646P 19991004 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW

YORK, NY, 100362711

NUMBER OF CLAIMS:

EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

4 Drawing Page(s)

LINE COUNT:

1991

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to methods of screening for compounds that bind RNA molecules. In particular, the methods of the invention comprise screening a library of test compounds, each of which is attached to a solid support, with a dye-labeled RNA molecule to form a dye-labeled target RNA: support-attached test compound complex. By virtue of the dye label on the target RNA, the support becomes labeled and can be separated from unlabeled solid supports. The present invention further relates to methods of inhibiting an RNA-protein interaction, to methods of screening for compounds that increase or decrease the production of a protein, and to methods of screening for a compound that is capable of treating or preventing a disease whose progression is associated with an in vivo binding of a test compound to a target RNA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2003:6797 USPATFULL

TITLE: Methods for identifying RNA binding compounds INVENTOR(S): Rana, Tariq M, Piscataway, NJ, United States

PATENT ASSIGNEE(S): University of Medicine and Dentistry of New Jersey, New

Brunswick, NJ, United States (U.S. corporation)

NUMBER KIND DATE -----PATENT INFORMATION: US 6503713 B1 20030107 US 2000-679451 20001004 APPLICATION INFO.: 20001004 (9)

> NUMBER DATE -----

PRIORITY INFORMATION: US 1999-157646P 19991004 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Riley, Jezia LEGAL REPRESENTATIVE: Pennie & Edmonds LLP

NUMBER OF CLAIMS: 50

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 8 Drawing Figure(s); 4 Drawing Page(s)

LINE COUNT: 2033

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to methods of screening for compounds that bind RNA molecules. In particular, the methods of the invention comprise screening a library of test compounds, each of which is attached to a solid support, with a dye-labeled RNA molecule to form a dye-labeled target RNA: support-attached test compound complex. By virtue of the dye label on the target RNA, the support becomes labeled and can be separated from unlabeled solid supports. The present invention further relates to methods of inhibiting an RNA-protein interaction, to methods of screening for compounds that increase or decrease the production of a protein, and to methods of screening for a compound that is capable of treating or preventing a disease whose progression is associated with an in vivo binding of a test compound to a target RNA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.